

## ABSTRACT

The inventors investigated to provide a means for real-time  
5 detection and measurement on the process of the amyloid protein  
aggregation as change(s) in tension and/or elasticity using a force  
sensor. The present invention provided a method of detecting an  
amyloidgenic conformational change of a protein using a  
mechanochemical sensor. The present invention further provided a  
10 method of searching a substance having an activity that affects to an  
amyloidgenic conformational change using said detecting method, as  
well as a method of searching a therapeutic or diagnostic agent for  
amyloid-related diseases. The method of the present invention is  
assumed to contribute to obtain a novel therapeutic or diagnostic agent  
15 for amyloid diseases.